AMENDMENT

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Mr. Frank Troy
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IPv6 Test and Evaluation
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Mr. Troy:

This letter states that Dell, Inc.'s **PowerEdge R610, T610, R710, M610 and M710 servers**, as part of the PowerEdge server family identified below, are, to the best of our knowledge, compliant to the RFC list required by DoD IPv6 Standards Profiles For IPv6 Capable Products, Version 3.0, 13 June 2008, section 1.6, for an "Advanced Server"

The PowerEdge R610, T610, R710, M610 and M710 are representatives of a family of general purpose server products designed with hardware consistency and commonality in mind: sharing identical networking stacks, including operating systems, hereinafter referred to as "Dell's PowerEdge server family":

PowerEdge SC1435
PowerEdge T105
PowerEdge R200
PowerEdge T300
PowerEdge R300
PowerEdge T605
PowerEdge T610
PowerEdge 1900
PowerEdge 1950 III
PowerEdge 2900 III
PowerEdge 2950 III
PowerEdge 2970
PowerEdge M600
PowerEdge M605
PowerEdge M610
PowerEdge M710
PowerEdge M805
PowerEdge M905
PowerEdge 6950
PowerEdge R610
PowerEdge R710
PowerEdge R805
PowerEdge R900
PowerEdge R905

Certification of PowerEdge 2950 III with Broadcom BCM5709 TOE in conjunction with Microsoft Windows Server 2008 shall also apply to selected product family members sharing the same operating systems and BCM5709 TCP Offload engine

Certification of PowerEdge R900 with Broadcom BCM57710 TOE in conjunction with Microsoft Windows Server 2008 shall also apply to selected product family members sharing the same operating systems and BCM57710 TCP Offload engine

Windows Server 2008 does not implement the requirement for IKEv2. The above "Dell PowerEdge server family" supports the following RFCs as indicated in Appendix (F) of the IPv6 Generic Test Plan:

Core Requirements
RFC 2460 – Internet Protocol v6 (IPv6) Specification
RFC 2461 – Neighbor Discovery for IPv6
RFC 2462 – IPv6 Stateless Address Auto-configuration
RFC 4193 – Unique Local IPv6 Unicast Addresses
RFC 4007 – IPv6 Scoped Address Architecture
RFC 4291 – IP Version 6 Addressing Architecture
RFC 4443 – Internet Control Message Protocol (ICMPv6)
RFC 4301 – Security Architecture for the Internet Protocol
RFC 2710 – Multicast Listener Discovery (MLD) for IPv6
RFC 2464 – IPv6 over Ethernet Networks
RFC 2467 – Transmission of IPv6 Packets over FDDI Networks
RFC 2472 – IP version 6 over PPP

Advanced Server Requirements
RFC 1981 – Path MTU Discovery for IPv6
RFC 3810 – Multicast Listener Discovery, version 2 (MLDv2) for IPv6
RFC 4213 – Transition Mechanisms for IPv6 Hosts and Routers
RFC 3986 – Uniform Resource Identifier (URI): Generic Syntax
RFC 3484 – Default Address Selection for IPv6
RFC 3596 – DNE Extensions to Support IPv6 (Hosts must be capable of using IPv6 DNS)
RFC 3315 – Dynamic Host Configuration Protocol for IPv6 (DHCPv6)
RFC 3041 – Privacy Extensions for Stateless Address Autoconfiguration in IPv6

IPSec Requirements
RFC 2407 - The Internet IP Security Domain of Interpretation for ISAKMP
RFC 2408 - Internet Security Association and Key Management Protocol (ISAKMP)
RFC 2409 - The Internet Key Exchange (IKE)
RFC 2464 – IPv6 over Ethernet Networks
RFC 2467 – Transmission of IPv6 Packets over FDDI Networks
RFC 4109 - Algorithms for IKEv1
RFC 4301 – Security Architecture for the Internet Protocol
RFC 4302 – IP Authentication Header (AH)
RFC 4303 – Encapsulating Security Payload (ESP)
RFC 4305 – Cryptographic Algorithm Implementation (ESP and AH)
RFC 4308 – Cryptographic Suites for IPSec

Other RFCs are listed as "optional" or "N/R"; it is not Dell's intention to support those RFCs at this time.

Sincerely,

Ashley Gorakhpurwalla
Director, Dell Enterprise Engineering Development